Guest Editor's Column

This volume contains five technical papers on geophysical analysis of unconventional hydrocarbon resources. The papers cover wide-ranging topics including seismic attributes, rock physics, micro-seismic technology, modeling (seismic and electromagnetic), and fracture analysis. The paper by Tatham demonstrates sensitivity of different geophysical measurements to five different unconventional reservoirs and describes possible methodologies for their exploration. Spikes provides a detailed study of unconventional rock physics models of unconventional reservoirs. Duncan provides a lucid description of the 'state of the art' of mircroseismic method - a technology that has become essential for hydraulic fracture monitoring. Kumar and Hoversten provide seismic and EM modeling results from a well log from Bossier/Hayensville shale gas from east Texas. Sinha et. al. report on a theoretical development that can be used to study anisotropic shale.

It has indeed been a pleasure to work with all of these authors. They are all commended for making contributions of such high caliber. We thank them all for their cooperation.

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